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Technology and Technical:

Antenna Grounds

Antenna Location: Fact & Fiction

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Exorcising Computer RFI

FM-10 Review

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Man v. Static
 Modern Receivers: How we got here
 Propagation Modes

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MAY PRO-2035 knob fix; Sony 2010 test
 JUN Cellular Image Reception
 JUL Cable and Adaptor Losses
 AUG Increase IF level on R7000/71000
 SEP DX390 and 440 Tuning Improvements
 OCT Full coverage on AR8000, PRO-46
 NOV Reducing Scanner Intermod
 DEC Zap-proof your receiver from external antennas

Utilities:

GHFS: MacDill AFB
 Greenpeace High Seas Drama
 MT Goes Inside NORAD
 Sailing Through the Ham Bands
 SAREX: Astronauts on ham radio

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AMERICAN BANDSCAN

JAN Listen on Remote Broadcasts
 FEB Landing that Wallpaper (QSLing)
 MAR Books for Domestic DXer
 APR Time Tips for DXing; Expanded Band Broadcasters
 MAY Es Skip Time!
 JUN Digital Radio - on the way?
 JUL International DX - on AM?
 AUG Who was on first?
 SEP Tower-Hunting Tips
 OCT Mobile Dxing
 NOV Recording Your DX
 DEC DX Tests - what, why, and when?

ANTENNA TOPICS

JAN Bilal Isotran resonant circuit antenna; Autek Research RF Analyst
 FEB Choosing a Feedline
 MAR Selecting an Antenna - 1 (antenna characteristics); antenna tech certification
 APR Selecting an Antenna - 2 (bandwidth, tuners, received noise vs.signal)
 MAY Selecting an Antenna - 3 (right antenna for the job)
 JUN Grounds: Real, Substitute, Artificial
 JUL Using wire radial to improve hand-held reception; Lew McCoy book review
 AUG Utilizing Familiar Objects as antennas; Baluns and Ununs book review
 SEP Diversity Reception; A limp radial quarterwave antenna
 OCT Easy-Up Antennas
 NOV AEA IsoLoop
 DEC Survey of Loop Antenna Types

BEGINNER'S CORNER

JAN Hi-Tech Learning Tools
 FEB Computer Shows
 MAR Parts Procurement
 APR Scanner Books
 MAY Volunteer Testing
 JUN Monitoring Skills
 JUL Last Chance QSLs
 AUG Ham Awards and Contests
 SEP Battery Operation
 OCT Radio Hobby Not Dead
 NOV My Alaskan Adventure
 DEC Mobilizing Mobile Mobility

BELOW 500 kHz

JAN You Tell Us: listeners letters
 FEB AWOS Stations; Homespun Loop Revisited
 MAR Survey; Wintertime DX; ELF grows trees; Tesla books, GBZ tower
 APR Beacon Troubleshooting; Fix for WR-3; using varicaps
 MAY Who's on the Band?
 JUN Name That Sound; Navtex
 JUL Summer Strategy
 AUG Survey Results; loggings; Mac map function; W7FG Vintage Manuals
 SEP GPS Meets Longwave; unique beacons; tube intercom as beacon; seismic sources; new beacons
 OCT Trip to Newington (ARRL)
 NOV LF Engineering L-400B Antenna; Longwave in the Pacific
 DEC A Visit to "Old CC"

BOB'S TIP OF THE MONTH

JAN PRO-51 modified again; Hold for RS Freq Ctr; Better Knobs for BC200XL
 FEB Realistic Antenna Battery Saver; MR8100 Cell Mod
 MAR SW Reception on Scanner Antenna
 APR Upside Down Antennas

CLOSING COMMENTS

JAN Where are the Trunk-Tracking Scanners?
 FEB One More Anti-Monitoring Law
 MAR Bits and Pieces
 APR Passing of the Clubs
 MAY Is the FCC abandoning us?
 JUN Freedom from the Press
 JUL Musings re Tom Kneitel retirement
 AUG Internet Phone; Successor to Ham Radio
 SEP A Look Back in Time (good old days weren't necessarily better)
 OCT Flim Flam Audio
 NOV Is the FCC Worth Saving?
 DEC Holiday Greetings

COMPUTERS & RADIO

JAN PC FM Radio Card
 FEB Grove FCC Database
 MAR Bus Mouse Installation
 APR Optical Scanning
 MAY ScanCat Gold
 JUN Radio vs. the Internet
 JUL Copycat Pro; Hoka Code 3
 AUG Scan Manager Pro
 SEP Scan Star Pro
 OCT Collins PropMan
 NOV Mail: Internet v Hams
 DEC AEA FaxIII; OCR Revisited

DEMAW'S WORKBENCH

JAN Tape Recorder Interface
 FEB DC Voltage Regulators
 MAR Understanding Transmitters (without a license)
 APR Using Op Amps to Aid Reception
 MAY SWR
 JUN Dealing with Man-Made Noise
 JUL Looking for Parts?
 AUG Understanding Your S-Meter
 SEP Beginning Circuit Design
 OCT Multiband Reception w/Tuned Antenna Feeders
 NOV Using the MFJ-259 Multimeter
 DEC Intro to Crystal Oscillators

DIGITAL DIGEST

JAN ARQ Modes
 APR Third Shift Cyrillic RTTY
 JUL Worldwide Ute News Club; French Forces message
 OCT French Forces Naming Conventions and Vessel Suffixes

EXPERIMENTER'S WORKSHOP

JAN Inside the PRO-2035
 FEB PRO-2035 Extended Memory
 MAR Tape Recording and Volume Control
 APR Battery Backup & Memory Preservation
 MAY Easy Datalogger for Home & Shack
 JUN Great Circle Spreadsheet
 JUL Radio Shack and Metex PC interface meters; Enhanced Zeromatic for Pro-2004 series
 AUG Free Space Radio Path Analysis; MAX471 measures battery charge
 SEP Rolling Your Own Resistors
 OCT Antenna Switching; Ground-Wave Propagation Analysis
 NOV Building or Upgrading Computers
 DEC Upgrading Computers - Part II

FEDERAL FILE

JAN Bug Hunting; Border Patrol
 FEB Summit of the Americas; Boston freqs; Strange Signals
 MAR Postscripts (Secret Service at Summit); C3I Data Links; federal realignment proposal; fed loggings
 APR Top Agencies' Securenet System; Whitman AFB; US Customs; US P.O.; seismic monitor freqs; US Geologic Survey

MAY FCC downsizing; Drug Enforcement and related ops
 JUN Comms in strange places; Feds on fast food freqs, TV on Part 74, Pres on airport freqs; diplo comms; monitoring UN & A-bomb anniversaries; US So Command moving to Miami
 JUL BATF and FEMA frequencies
 AUG Summer VHF Activity: backpack radios; NASA HQ, Argonne Nat'l Lab, Arnold AFB, GA Forestry Comm, FAA, Amtrak on 900 MHz
 SEP Scanning the Big Apple; Boise Idaho River Festival, BLM, US Forestry Service; Assn of Am Railroads; more hidden media freqs
 OCT Who's where and who's moving - projected reallocations
 NOV SWLing the Feds (SW back-up systems)
 DEC Federal protection details, presidential campaigns, Olympics, and nuclear terrorism

HIGH SEAS

JAN New York Harbor
 MAR KFS World Communications adds VCT; Visual Morse; m/v Polydoros radioman saves lives
 MAY Petroleum Industry
 JUL Globe E-mail and telex freqs; USCIG final CW
 SEP The Navy's New Boat (guest feature)
 NOV Comings and Goings (history of maritime comms; final column)

MAGNE TESTS

Caveat: Reprints of Magne Test reviews are not available.

JAN AR3030
 FEB Best Receivers to Buy
 MAR Sangean SG 789A
 APR Sony ICF-2010
 MAY ICOM R71, Satellit 700 price hike; W-J HF-1000 difficulties continue; SG 789A antenna
 JUN Drake SW8 Improvements, Drake R8A Coming; Sangean drops ATS-803A; Grundig changes NAm lineup; W-J still promises improvements
 JUL JRC NRD-93
 AUG Yacht Boy 305; News - Drake R8A, Lowe HF-250
 SEP Lowe HF-250
 OCT Aroma SED-EDL88C
 NOV Watkins-Johnson HF1000
 DEC Looking Ahead: Should you buy now?

ON THE HAM BANDS

JAN Propagation Tips; New Videos; Mini-Regen receiver schematic
 FEB Straight Key Night - sending good CW; Low Band Activity
 MAR Three Short Antennas; Casio watch for DX tool
 APR Ten Meters; observations about antennas; homebrew tilt-over tower and coil-winder books
 MAY New Products; Amateur Radio Newsline, No Code License Program, Buckmaster Electronics Software Compendium, Power Pocket, QRP Plus
 JUN Are You Ready? Field Day, VHF Contest; Hambrew magazine; Antique Electronic Supply; Atlas 400X transceiver
 JUL Value of old gear; ICE DigiField FS meter
 AUG RS HTX-212; Ramsey SX-20
 SEP Winter Preparations; Iso-tip cordless soldering iron
 OCT 6 Meter FM; Alinco DR-M06
 NOV 46, 160, 80 m; Antenna Compendium
 DEC Stocking Stuffers

OUTER LIMITS

JAN Frente Nacional Cubano Busted Twice; Pirates on 43 meters; Clans in Russia; Radio Free Berkeley
 FEB Radio Caiman CIA op?; Radio Patria Libre; Radio Democracy QSL; Books
 MAR Pirate Activity Record Broken; Trummel's Black Book; Iran Clandestine QSL; Best QSL?
 APR FCC Loses one, wins one (Radio Free Berkeley, 3 busts); La Voz de Chiapas, La Voz de Guatemalan Mayan; KIWI
 MAY Pirate Bust Developments; Eropirate bulletin; Mexican clans; Taiwan pirates
 JUN Pirate Jams Iran; Aum Shinrikyo; Super DX Edge; So Music Radio; Spectrum bcasts from Winterfest
 JUL "Patriot" Programming; RNI returns; Polish pirates; Iranian clandestines; WRMI E-mail
 AUG CID using satellite feed; NASWA covers pirates; Radio Pirana; 41/43 Meter Notes; more foreign pirates
 SEP Increase in pirate activity; WINB in limbo; KIWI still active; RNI quits; Radio Marti on WHRI; Iran clan heard in Brasstown
 OCT Chiapas Libre; R Free Berkeley Fined; SIO Codes; R Pirana Moves;

NOV Black Book e-mail; New ACE Publisher
 DEC Israel BustsPirate; SRS E-mail; 41-43m 2-way Spanish
 Iranian Clan loses funding; Mexican clans; Local FM pirates

PLANE TALK

FEB Oakland Oceanic Control
 APR The Black Box and Cockpit Voice Recorder; HF Nets serving MWARA; Software offer Final Approach
 JUN LDOC; New HF Datalink HFDL being tested; Atlanta aero freqs
 AUG Flight of the Concorde
 OCT Brush Up Your Basics; Observation Decks; Monitoring the Comics
 DEC San Fran ATC Tower; Oakland Center; St Louis freqs; World Air Carrier Callsign Directory; readers' corrections, additions; LDOC verifications

PROGRAMMING SPOTLIGHT

MAR VOA Inaugurates Talk Radio
 JUN BBC in Transition (split streaming)
 SEP Radio on the Internet
 DEC Shortwave Simulcasting - KTBN & WEWN

RADIO REFLECTIONS

FEB Working at WATT
 MAY 100 Years of Radio (Marconi)
 AUG Revive a Five! (restoration)
 NOV Medical Quackery

SATELLITE TV

JAN Trade-offs - Choosing a System
 FEB World Radio Network
 MAR World TV for Newsounds
 APR X*press Information is Ingenious; AMSAT 3-D freqs; WRN; KJAZ
 MAY TVRO Shopping via Satellite; Russian RS-15; Digital Audio Radio Service; Equip needs for Inmarsat/Wsot, & SCPC
 JUN World Sat Yearly review; SCPC on 18" dish? Minimum equipment requirements for SCPC
 JUL Peaking Your Dish
 AUG View from Europe, European experimenters; AMSAT news; Ingenius update
 SEP Rebroadcast audio thru your house with FX Wave; DMX update, New Old Stock supplier, sat talk shows, BBC news feed; satellite predictions
 OCT Ethnic Programming; BBC feed; Bloomberg on Ku; DigiCipher rcvs delayed, etc.
 NOV 1995 World Satellite Almanac; industry news
 DEC SCPC On a Budget

SCANNER EQUIPMENT

JAN PRO-2035 vs. PRO-2006
 FEB PRO-62; RadioMap
 MAR BC9000XLT
 APR BC3000XLT
 MAY Uniden BC860 XLT
 JUN PRO-2036/BC890XLT
 JUL PRO-2037
 AUG PRO-26
 SEP PRO-60
 OCT AR 2700
 NOV Comparison of scan rates, current consumption, modulation acceptance between AR8000 and other handhelds; RU2700 recorder option for AR2700; portable antenna alternatives
 DEC PRO-2040

SCANNING REPORT

JAN Scanning Questions; NOAA weather; new aero freqs; taxi cabs
 FEB Scanning Savvy; cellular newscaps
 MAR Beyond UHF; Qualcomm cellular contract; protection from cellular clones; TV bands
 APR Spring cleaning (scrounging); news clips
 MAY Listening Post Improvements; cordless mikes; bumper beepers; news clips
 JUN Challenge: mapping antennas in your neighborhood; briefcase satellite phone; news clips; extending cordless range; Goodyear Blimp freqs
 JUL Computerized Scanning; OKC active freqs; bugs in restaurants; PO scanning; Blue Angels sched; new aero freqs
 AUG August scanning (shopping malls, sat freqs, winterizing); NY TV/public safety; list of cell restorable scanners
 SEP Equipment TLC; cellular banned in hospitals

OCT Trunking; Briefcase Satellite; Laser Guns; New Opto Scout

NOV How to scan during the holidays; TV audio freqs; CB channels; allocation rules & regs

DEC Alive and Well - good December scanning freqs; antenna heights; Tulsa, Okla., case

Frequency Exchange (in state order)

City/State	Issue
Mobile Co, AL	Oct
Montgomery, AL	Sep
Brisbane Airport, Australia	Mar
Davis Monthan AFB, CA	May
California Coast	May
Jamestown, CA	May
Los Angeles, CA, FD	Apr
Oakland, CA	Oct
Stockton, CA	Feb
Toronto, Canada	Nov
Jefferson Co, CO	Sep
Hartford, CT	Mar
Washington, DC (Nat'l Pks)	Jul
Dover, DE	Mar
Dover, DE	Nov
New Castle Co, DE	Nov
Smyrna, DE	Mar
Dade Co, FL	Jan
Dade Co, FL	Oct
Hollywood, FL	Nov
Miami, FL	Jan
Miami, FL	May
Orlando, FL	Jan
Walt Disney World, FL	Jun
Douglasville, GA	Jan
Marietta, GA	May
Savannah, GA	Jun
St Mary s, GA	Nov
Maui, HI	Aug
Chicago, IL	Apr
Danville, IL	Aug
Clarksville, IN	Dec
Columbus, IN	Jan
Hendricks Co, IN	Oct
Hutchinson, KS	Jun
Topeka, KS	Dec
Wichita, KS	Feb
Boston, MA	Dec
Aberdeen, MD	Mar
Bangor, ME	Dec
Aurora, MO	Apr
Northfield, MN	Jan
Havelock & New Bern, NC	Jul
Mount Valley, NH	Nov
Atlantic City, NJ	May
Ocean City, NJ	Oct
Las Vegas, NV	Sep
Las Vegas, NV	Apr
Cedarhurst, NY	Feb
Broome Co, NY	Jun
Oklahoma City, OK	Jul
Oklahoma City, OK	Aug
Roseburg, OR	Jun
Dollastown, PA	Mar
Harrisburg, PA	Aug
Mifflin Co, PA	Apr
Mifflin Co, PA	May
Philadelphia, PA (RR)	Feb
Philadelphia, PA	Jul
Philadelphia, PA (DEA)	Oct
Pittsburgh, PA	Nov
Potter Co., PA	Mar
Scranton, PA	May
Wilkes-Barre, PA	Feb
Beaufort, SC	Sep
Darlington, SC	Jul
Dorchester Co, SC	Jun
Mt Pleasant, SC	Feb
Newberry, SC	Sep
Spartanburg, SC	Apr
Clinton, TN	Dec

Alamo, TX	Sep	Radio Modification Handbook	Aug	Cobra 93LTD CB	Nov					
Laredo, TX	Jul	Rebel Radio	May	Comm Spec TE-32 Encoder	Nov					
Tooele, UT	Oct	Remaking of Radio	Mar	Connect Systems CD-2 decoder	Apr					
Arlington, VA	Jul	Scanners 3	Jan	Datafile Probe software	Jan					
Emporia, VA	Jun	Scanner Planner	Dec	Design EQ leather scanner cases	Apr					
Fairfax, VA	Aug	Schroeder's Antiques Price Guide	Nov	DX Radio Supply Power Station	Sep					
Virginia Beach, VA	Sep	Spectrum Guide	Apr	Everhardt truck CB antenna	Mar					
Burlington, VT	Aug	Spectrum Regulation Handbook	Oct	FlatPlug, American Leviton W&C	Jan					
Woodstock, VT	Dec	Spread Spectrum Comm Handbook	Feb	Free Radio Berkeley Radio Kits	May					
Green Bay, WI	Dec	The Phone Book	Aug	Gall Universal (auto) Bracket	May					
Tomah, WI	Jan	The Shortwave Radio Guide	Jun	Grove Mini-Skywire	Sep					
Wheeling, WV	Mar	Towers to Eternity	Feb	Grove SW Converter	May					
UTILITY WORLD										
JAN	AFTN almost gone; DCS HF system; Nightwatch Update; Hobbyist's Guide to COMINT									
FEB	Aero Mobile Band Standardizes									
MAR	RTTY Numbers Stations; HICOM gone									
APR	Single Letter HF Markers Revealed									
MAY	SECURE system; AF manual description of EAMs; 5680 & 5696 logs, X-ray codes									
JUN	FEMA Support Communications									
JUL	British Royal Air Force									
AUG	Hurricane Season, NOAA and 53rd WRS and related freqs									
SEP	The meaning behind the EAM messages; Navy Tacamo takes on ABNCAP role; Nightwatch nets									
OCT	US STRATCOM Network Freqs; Inter-American Air Forces and Army communications systems									
NOV	Coast Guard Pacific Operations, corrections									
DEC	US Govt HF Exercises; FAA HF radio network; Global Wireless maritime network									
WHAT'S NEW										
Books:										
Aeronautical Freq Directory (#3)	Aug	Adaptive Sys WAVE (Mac control)	Nov	MFJ-114 Clock	Feb					
Air-Scan #6	May	ARRL Electronic Repeater Directory	Nov	MFJ-66 Dip Meter Adapter	Sep					
Amateur Hambook	Apr	ARRL Publications (catalog)	Aug	MFJ-1717 Flexible Duck	Sep					
Amateur Radio Almanac	Apr	ARRL Radio Designer (soft)	Feb	MFJ-306 World Band Explorer	Aug					
Amateur Radio Encyclopedia	Jan	ARRL Radio Designer (soft & book)	Sep	MFJ-452 Super CW Keyboard	Jan					
Amateur Radio RV Antennas	Sep	AT&T Language Line	Dec	Motron Auto-Kall DTMF controller	Jul					
AM Radio Log	Jan	BK Precision (catalog)	Aug	Naval Electronics HTS-3	Mar					
AM Radio Logbook (NRC)	Dec	Cellular Security 800 MHz mod	Nov	Optoelectronics CX12AR Interface	Oct					
Antenna Factbook	Jul	Circ-“IT” classifieds	Mar	Optoelectronics OptoScan 535	Oct					
ARRL Antenna Compendium	Jun	Code Red 900 number	Jun	Optoelectronics Scout	Jan					
ARRL Handbook	Jan	Design EQ BankPac cards	Sep	Palomar Magnetic Switch Balun	Aug					
ARRL Intro to RF Design	Sep	Dir of Elec Surveillance Equip Sup	Oct	Power Pocket	Oct					
ARRL Operating Manual	Aug	FAR Scholarships	Mar	Powertip	May					
ARRL UHF/Microwave Projects	May	Fontel Foundation Inventor's BBS	Oct	QuickTone CTCSS kit	Feb					
ARRL Radia AmateursWorld Atlas	Nov	Geo Jacobs Roboscan 2000	Aug	Radio Engineers Vector-Finder	Jun					
British Columbia Freq Directory	Jul	Getting Started in VHF (video)	Feb	Radio Shack PRO-27	Sep					
CB Buyers Guide	Dec	Gordon West Radio School	Oct	Ramsey FM25 FM Stereo Tvr	Aug					
Coll Guide to Antique Radios(#3)	Aug	Grove FCC Database	Sep	Sony ICF-SW1000T receiver	Nov					
Coll Guide to Novelty Radios	Aug	Grove Repair Service	Feb	TenTek T'Kits	Apr					
Coll Guide to Transistor Radios	Aug	Kiwa catalog on Internet	May	Tripp Lite PR-series power supply	Aug					
Compendium of Am RR Freqs (#13)	Aug	Klingenfuss Modulation Types (CD)	Jun	Uniden laser radar detectors	Mar					
Computer Support Directory	Oct	LeProgram, Shortwave Guide	Jun	Uniden PC 76XLW CB	Mar					
CQ Ham Calendars	Jan	LogOn USA (internet Bcast)	Oct	Uniden's new scanners	Feb					
Digital Multimedia Guide	Sep	Marbian Productions SWBC skeds	Nov	Uniden scrambled cordless phones	Mar					
Electronics Pocket Reference	Feb	MetroWest catalog	Oct	Uniden 25-Chan Phones	Jul					
Intro to Digital Video	Jan	Milestone Tech Code Master V	Jul	Viking long-play recorder	Feb					
Guide to Fax Radio Stations (#15)	Sep	Milestone Tech M*Log	Nov	Wavetek products	Sep					
Guide to Utility Radio Stations	Apr	Mr Scanner's CD ROM	Nov	Wavetek digital multimeters	Dec					
Haruteq Ontario Scanner Directory	Nov	New Wireless Pioneers (cat of books)	Oct							
Lew McCoy on Antennas	Mar	Old West Graphics (decals etc)	Jul							
Listeners Lawbook (#2)	Aug	Old West Graphics ID tags	Dec							
Low & Med Freq Scrapbook	Aug	PageWatch	Apr							
Low Power Communications, (vol 3)	Sep	Palo Alto Sun Clock	Dec							
M-Street Journal	May	Probe kit catalog	Feb							
Mobile Cellular Systems	Mar	Quest Electronics(catalog)	Nov							
New SW Propagation Handbook	Jul	RCSI ScannerWEAR Soft-control	Jun							
New York City ATC	Jul	RMA Electronics Co	Jun							
Norwegian AM Log Book	May	Rockwell PropMan	Jul							
Official Massachusetts Freq Guide	Apr	Signal Int, Windows Scan*Star	Dec							
Ohio/Mich Scanner Freq Dir	Dec	SSC PC GOES/Wefax 4.0	Jun							
Orange Book of Scanner Repair	Jun	State PD & Hwy Patrol Badge Guide	Dec							
Passport 1996	Nov	Vintage Manuals (cat)	Mar							
Pennsylvania Freq List	Jun	Worldcom Yacht Boy 400 mod	Mar							
Police Call 1995	Jan									
Police Call So Cal Detail Edition	Mar									
Equipment:										
AEA APRS adapter cable for GPS	Apr	AEA PK-96 packet w/GPS	Dec	Par Electronics intermod filters	Sep					
Alpha Delta DX Ultra SWL antenna	May	Alpha Delta DX Ultra SWL antenna	May	Select-A-Tenna vs the Black Box	Apr					
Audio Tech CS2000 home theater	Dec	Autek Research RF Analyst	Jan	ZS Electroniques ZSRX Antenna	Jul					
BayGen Baylis wind-up radio	Sep	Black Box Antenna	Sep							
Cellular Security Max800 Antenna	Oct	Cellular Security Max800 Antenna	Feb							